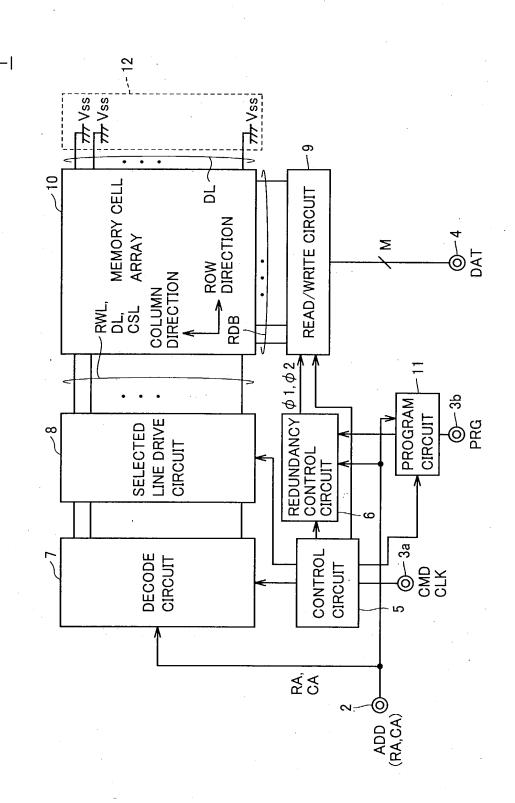
APPLN. FILING DATE: JULY 10, 2003
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING HIGH SPEED READING WHILE REALIZING...
INVENTOR(s): HIDETO HIDAKA
ATTORNEY DOCKET NO: 009683-471
SHEET 1

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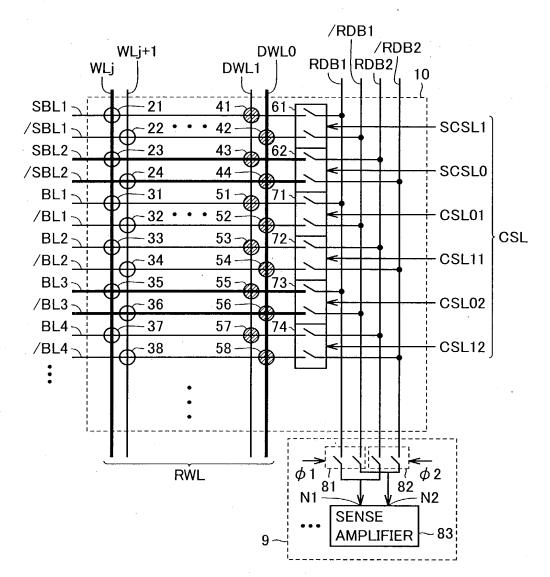
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

Inventor(s): Hideto HIDAKA Attorney Docket No: 009683-471

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FIG.2



HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET No: 009683-471

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FIG.3

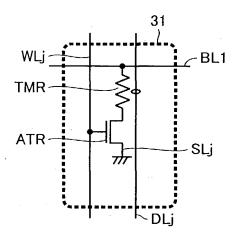
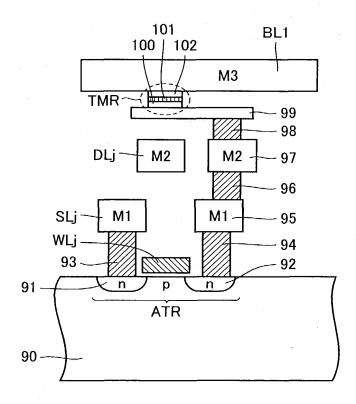


FIG.4



APPLN. FILING DATE: JULY 10, 2003
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING HIGH SPEED READING WHILE REALIZING...
INVENTOR(s): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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FIG.5

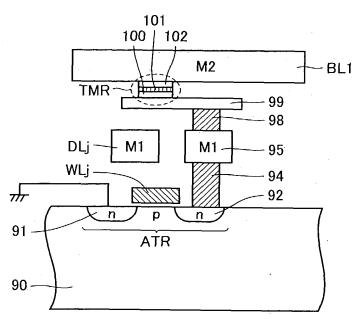
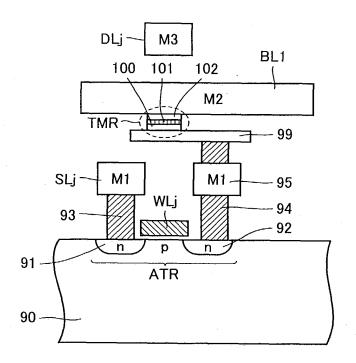


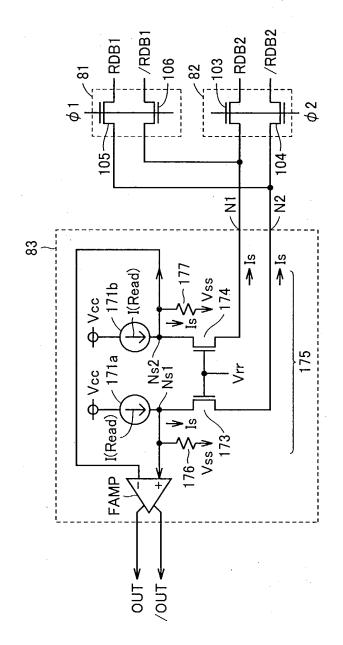
FIG.6



HIGH SPEED READING WHILE REALIZING...

INVENTOR(s): HIDETO HIDAKA
ATTORNEY DOCKET NO: 009683-471

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APPLN. FILING DATE: JULY 10, 2003 TITLE: MEMORY DEVICE CAPABLE OF PERFORMING HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET No: 009683-471

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SPARE/NORMAL	φ 1:NORMAL SELECTION φ 2:SPARE SELECTION	φ 1:SPARE SELECTION φ 2:NORMAL SELECTION
USED DATA BUS SPARE/NORMAL	RDB2, /RDB2	RDB1, /RDB1
USED DATA BUS SPARE COLUMN	07SOS	SCSL1
USED DATA BUS	RDB1, /RDB1	RDB2, /RDB2
SELECTED	CSL01 CSL02	CSL11 CSL12

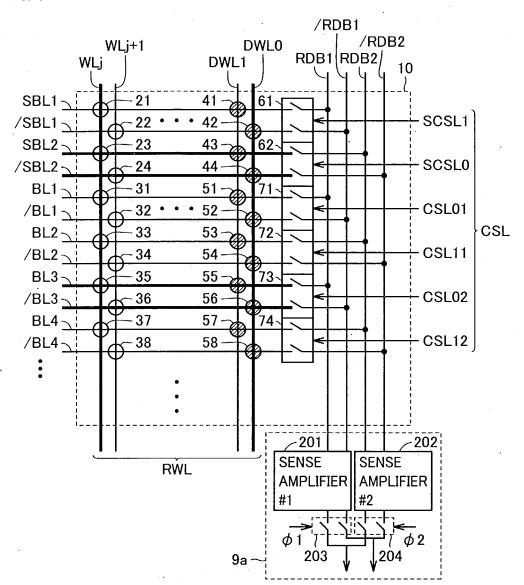
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.9



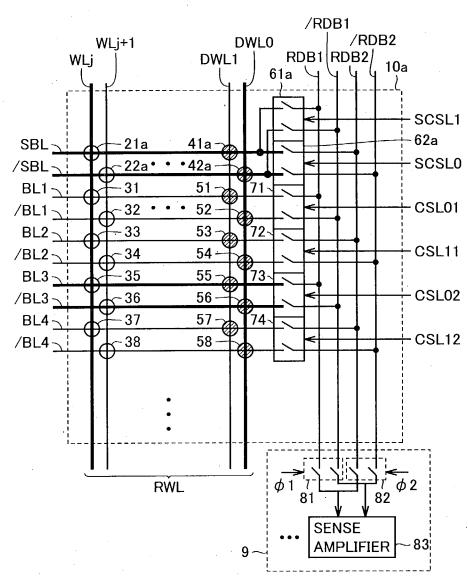
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

SHEET 8 of 34

FIG.10



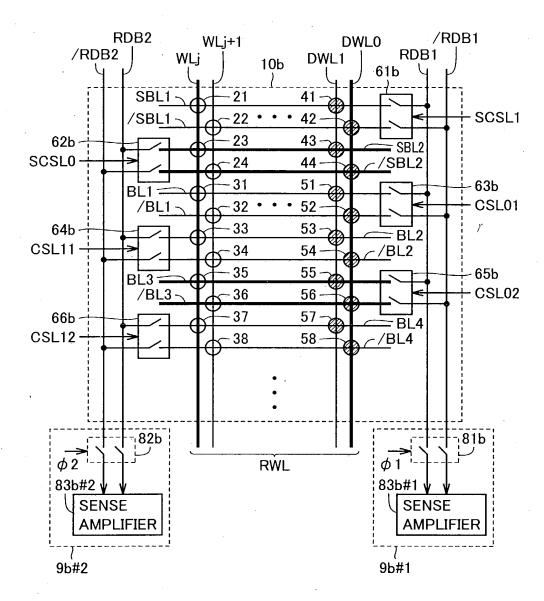
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

Inventor(s): Hideto HIDAKA Attorney Docket No: 009683-471

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FIG.11



TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

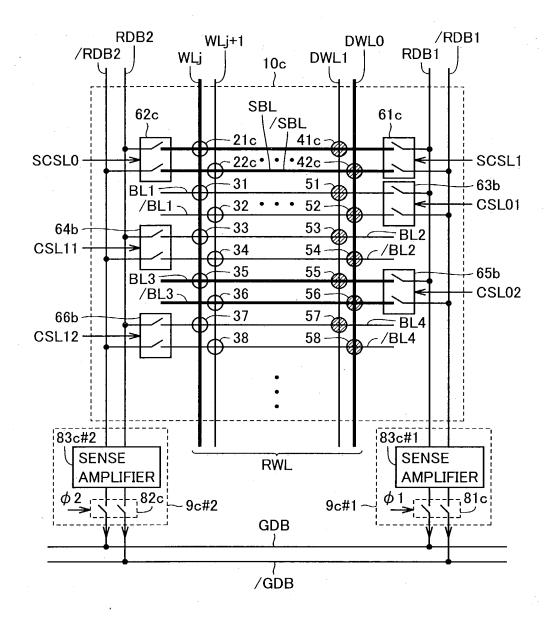
HIGH SPEED READING WHILE REALIZING...

Inventor(s): HIDETO HIDAKA

ATTORNEY DOCKET NO: 009683-471

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FIG.12



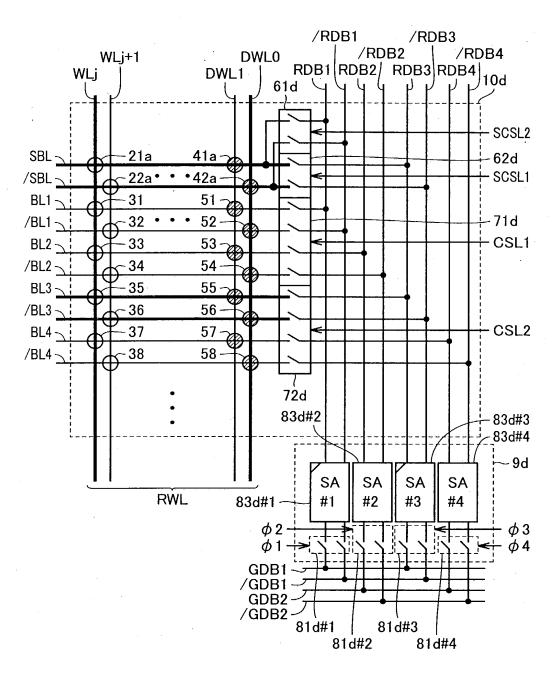
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.13



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HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

Attorney Docket No: 009683-471

USED DATA BUS SPARE/NORMAL	ϕ 1+ ϕ 2: NORMAL SELECTION ϕ 3+ ϕ 2: SPARE SELECTION	ϕ 3+ ϕ 4: NORMAL SELECTION ϕ 1+ ϕ 4: SPARE SELECTION
USED DATA BUS	RDB3,/RDB3	RDB1,/RDB1
USED DATA BUS SPARE COLUMN	SCSL1	SCSL2
USED DATA BUS	RDB1,/RDB1 RDB2,/RDB2	RDB3,/RDB3 RDB4,/RDB4
SELECTED COLUMN	CSL1	CSL2

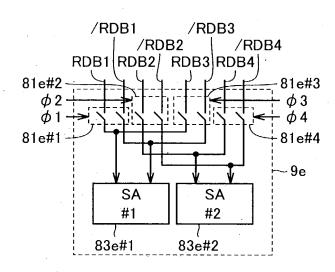
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET NO: 009683-471

SHEET 13 of 34

FIG.15



TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

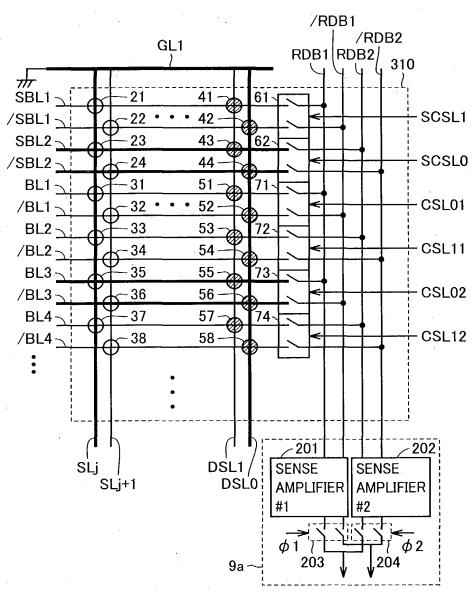
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET NO: 009683-471

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FIG.16



TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

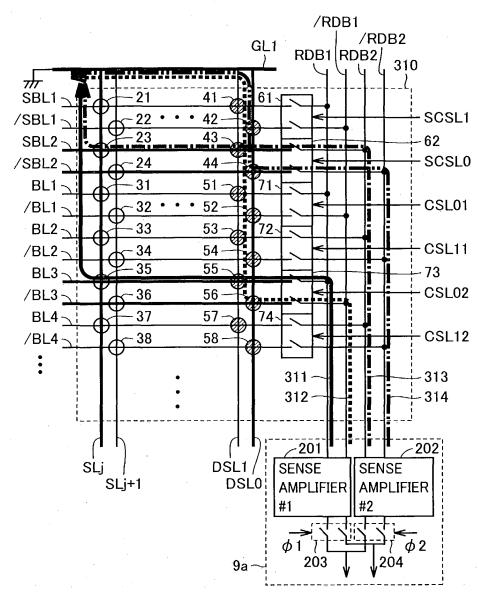
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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FIG.17



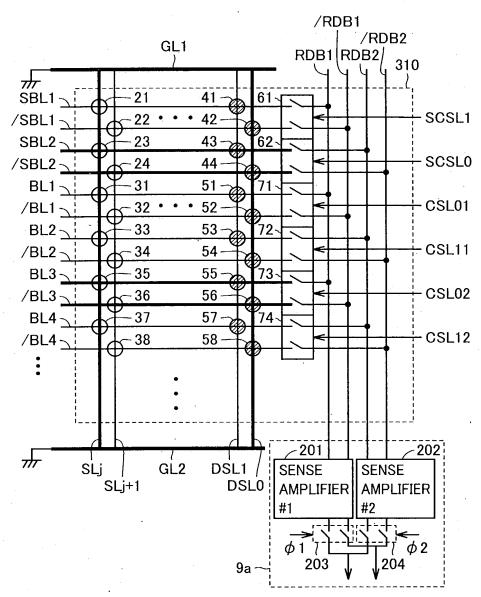
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.18



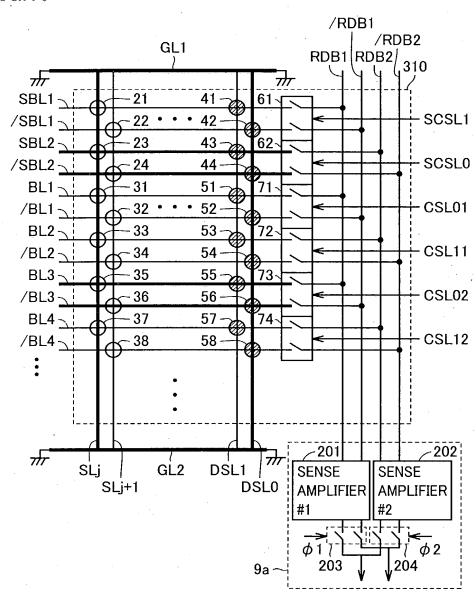
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.19



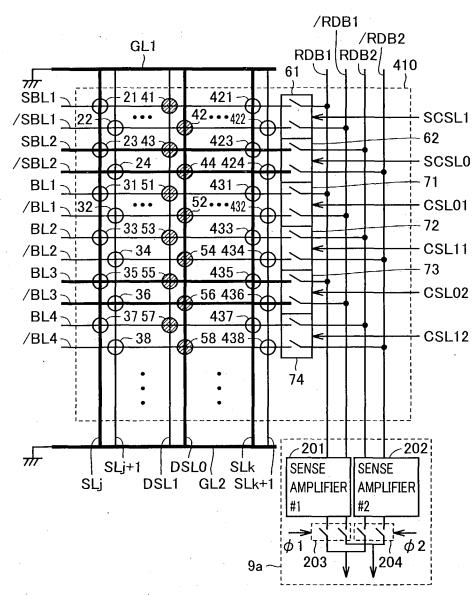
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.20



TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

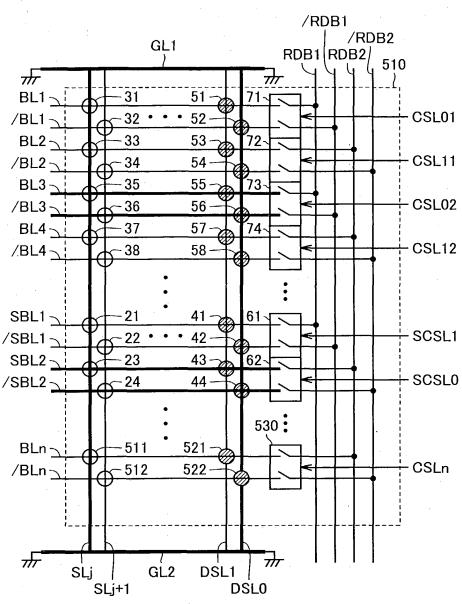
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET NO: 009683-471

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FIG.21



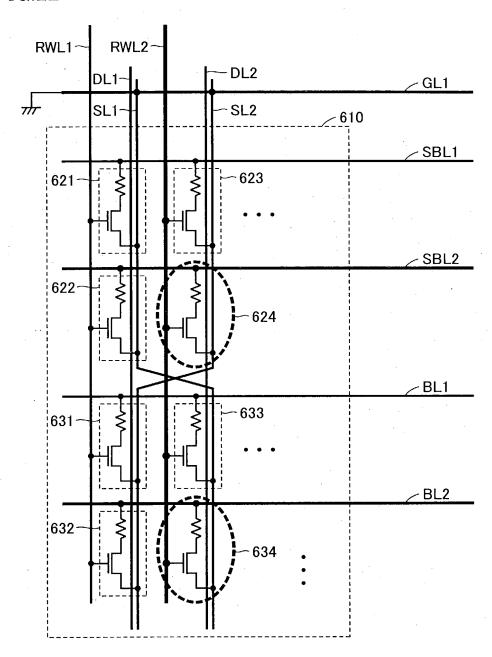
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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FIG.22



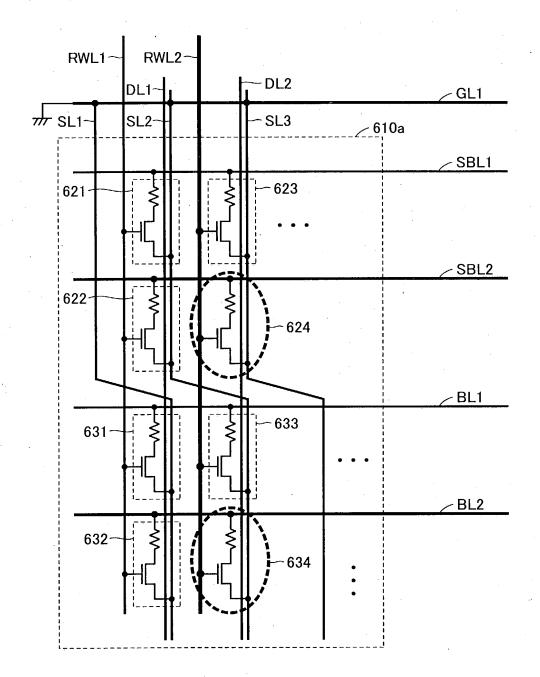
APPLN. FILING DATE: JULY 10, 2003 TITLE: MEMORY DEVICE CAPABLE OF PERFORMING HIGH SPEED READING WHILE REALIZING...

SHEET 21 of 34

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

FIG.23



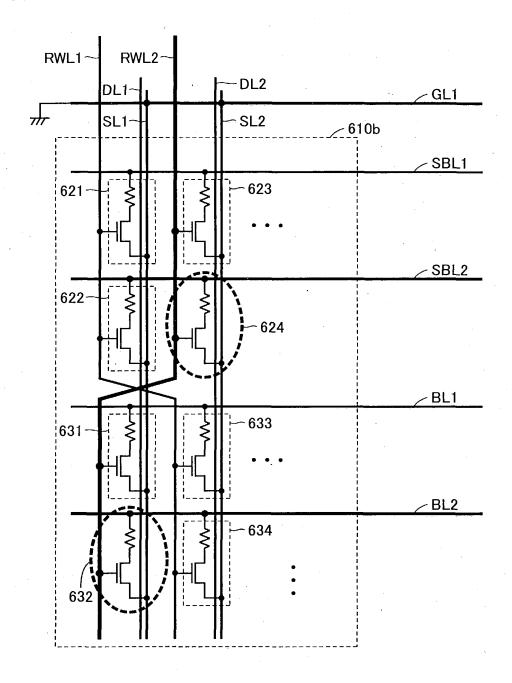
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

SHEET 22 of 34

FIG.24



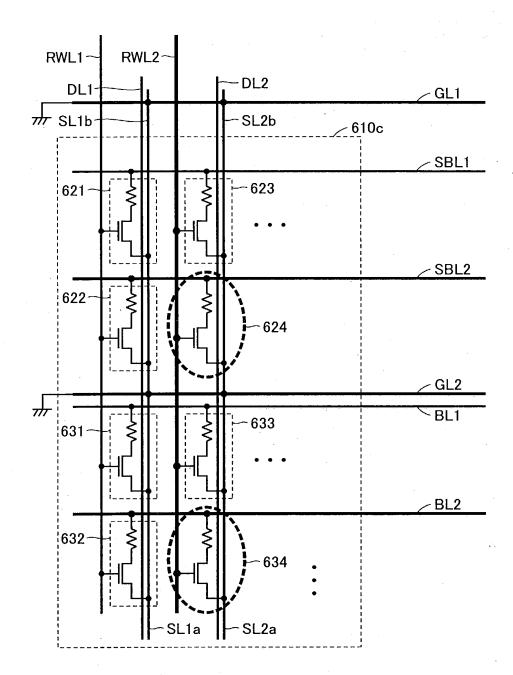
APPLN. FILING DATE: JULY 10, 2003
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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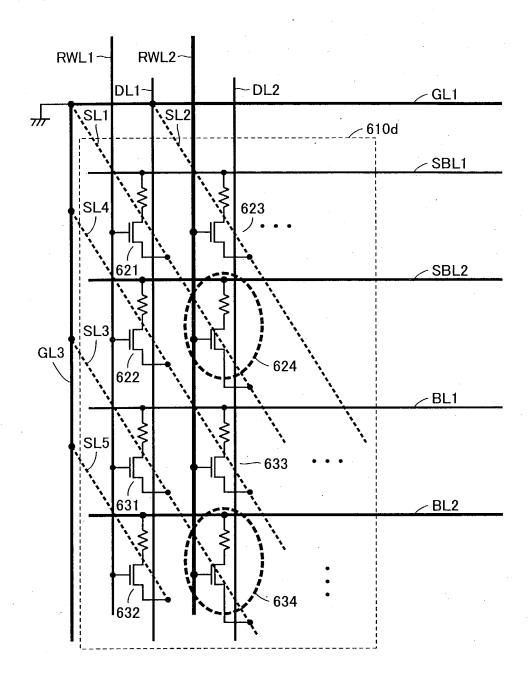
FIG.25



APPLN. FILING DATE: JULY 10, 2003
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING
HIGH SPEED READING WHILE REALIZING...
INVENTOR(S): HIDETO HIDAKA
ATTORNEY DOCKET NO: 009683-471
SHEET 24 (COMMONDER)

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FIG.26

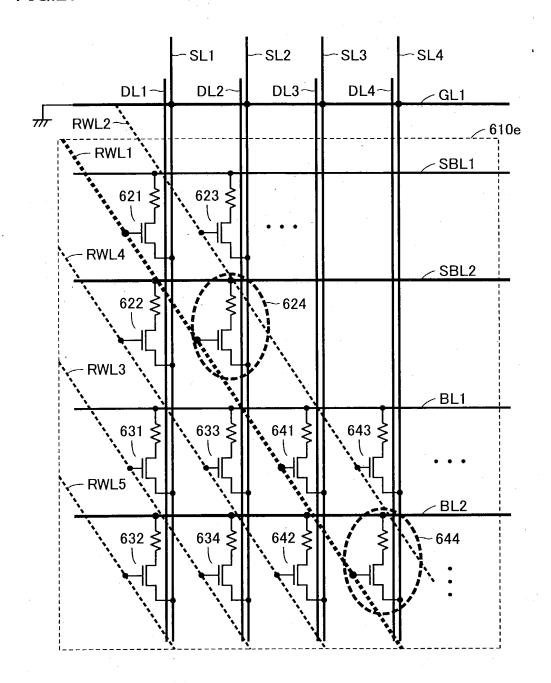


HIGH SPEED READING WHILE REALIZING...
INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET NO: 009683-471

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FIG.27

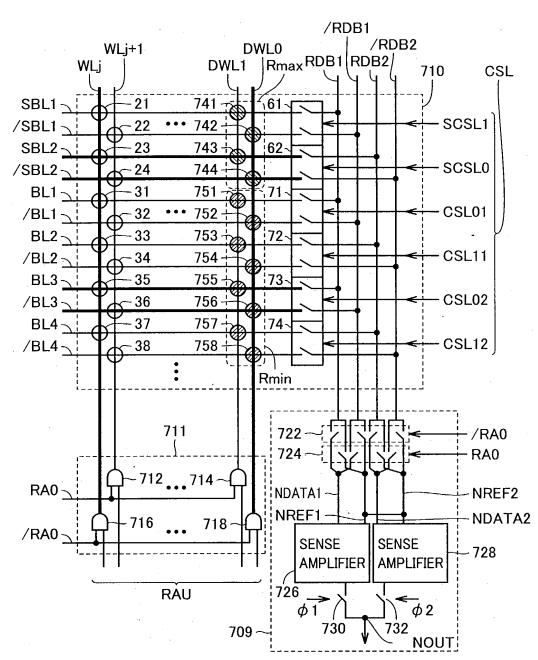


HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA **ATTORNEY DOCKET No: 009683-471**

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FIG.28



HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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FIG.29

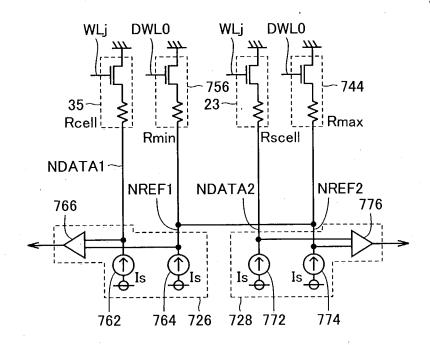
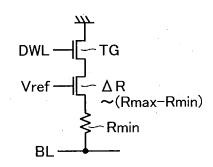


FIG.30



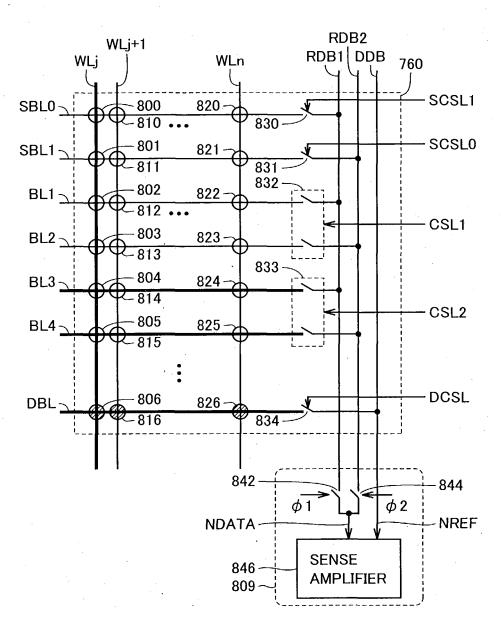
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET NO: 009683-471

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FIG.31

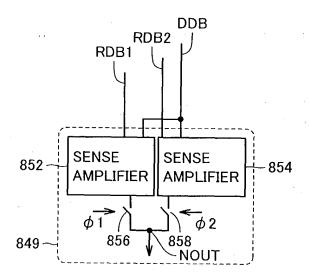


HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA ATTORNEY DOCKET No: 009683-471

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FIG.32



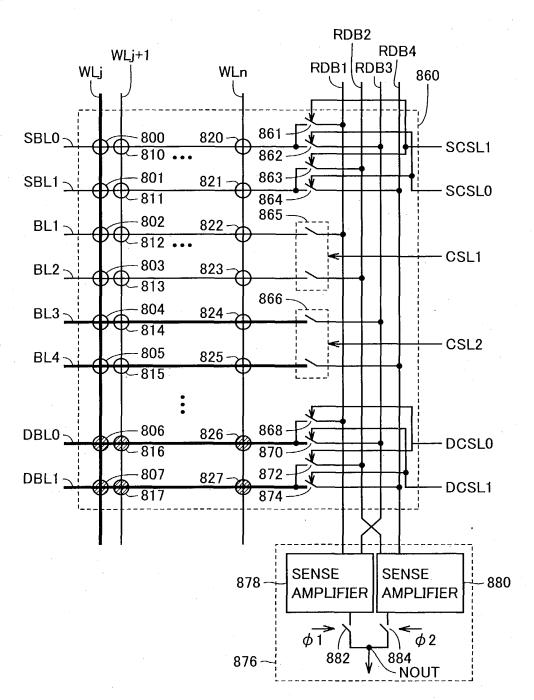
HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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FIG.33



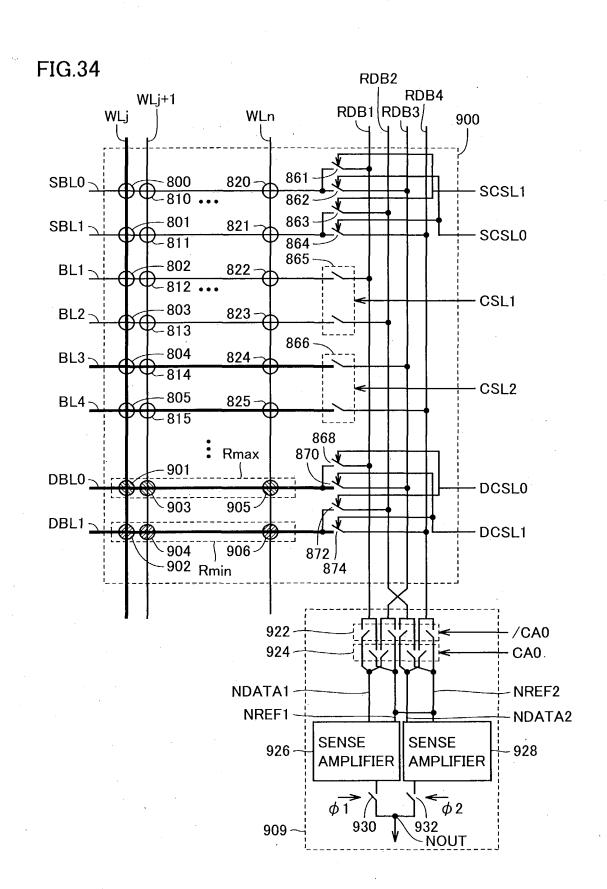
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

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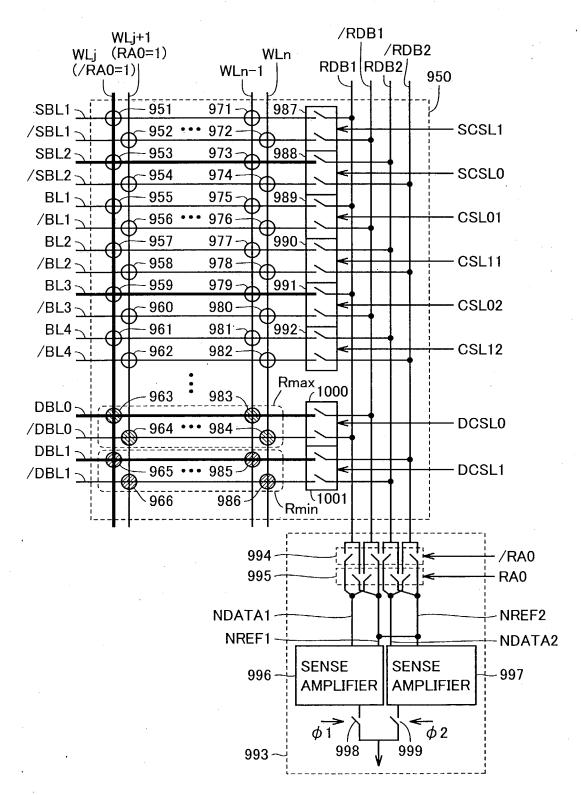
TITLE: MEMORY DEVICE CAPABLE OF PERFORMING

HIGH SPEED READING WHILE REALIZING...

Inventor(s): Hideto HIDAKA
Attorney Docket No: 009683-471

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FIG.35



HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471 SHEET 33 of 34

FIG.36 PRIOR ART

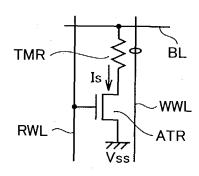
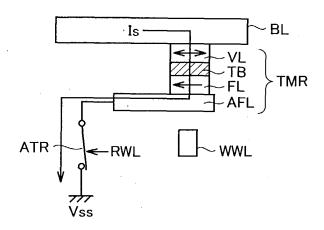


FIG.37 PRIOR ART



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HIGH SPEED READING WHILE REALIZING...

INVENTOR(S): HIDETO HIDAKA

ATTORNEY DOCKET No: 009683-471

FIG.38 PRIOR ART

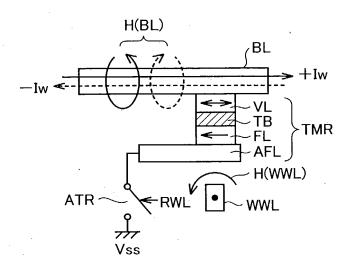


FIG.39 PRIOR ART

